THREE-TIME ORDER OF LENIN
LENINGRAD
OPTICAL-MECHANICAL
ASSOCIATION NAMED AFTER V.I.
LENIN

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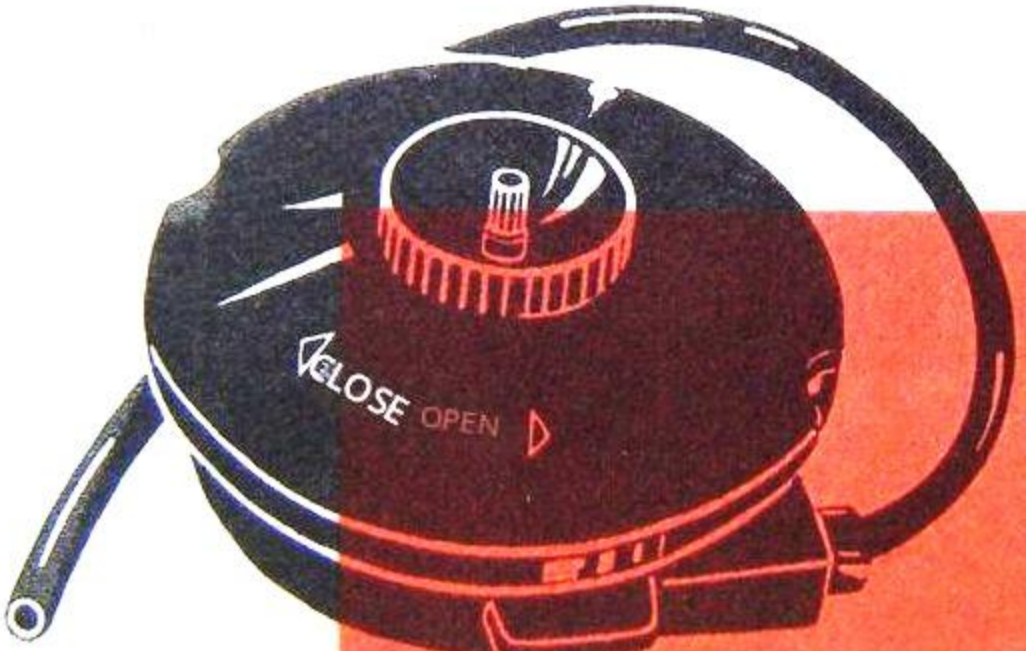
GENERAL INSTRUCTIONS

The UPB-1A universal developing tank is intended for processing black-and-white and color motion picture films with a width of 8, 16 and 35 mm, and a length of up to 15 m, using the negative process and the reversal process.

TECHNICAL DATA:

The tank can process one 8-mm, one 16-mm, one 35-mm, two 8-mm, two 16-mm, or one 8-mm and one 16-mm film.

Volume of solutions for processing one 8-mm or one 16-mm film, l. . . . . .



Volume of solutions required to process one 8-mm and one 16-mm film, one 35-mm, two 8-mm and two 16-mm films, l. Overall dimensions, mm, max: 2

diameter	300
height	125
Weight without hose and packaging, kg, max	1.6

DELIVERY SET

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Developing tank	1
Threaded ring Bushing	1
Packaging box Operating manual	1
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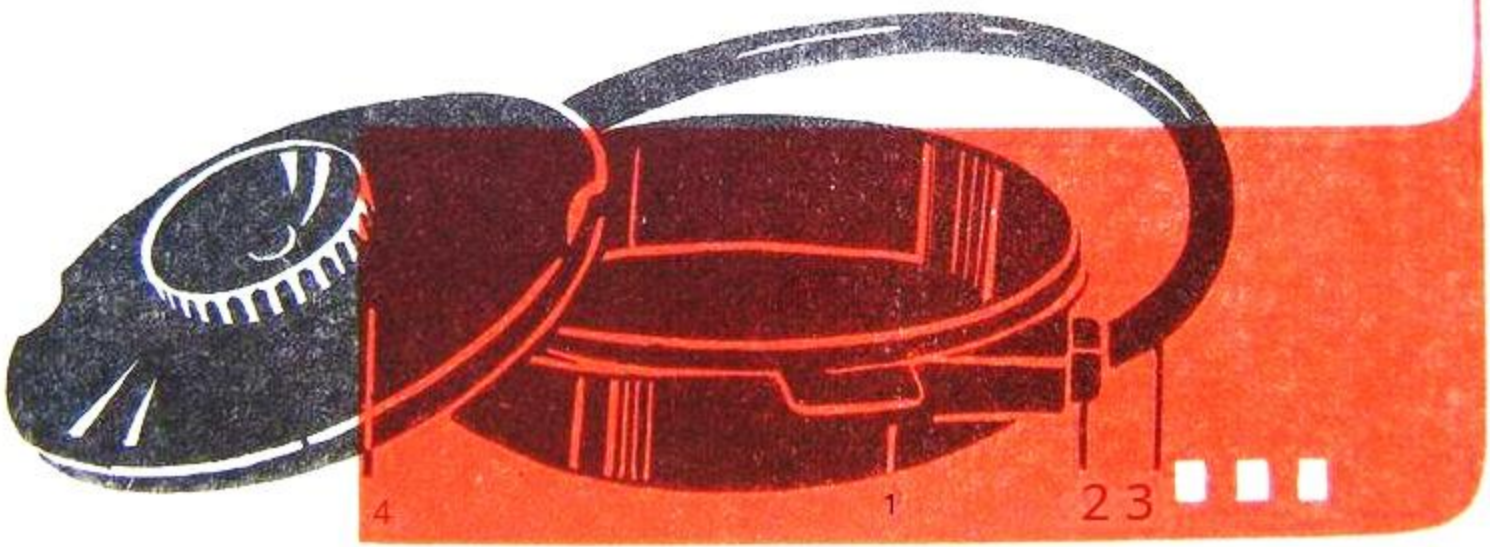
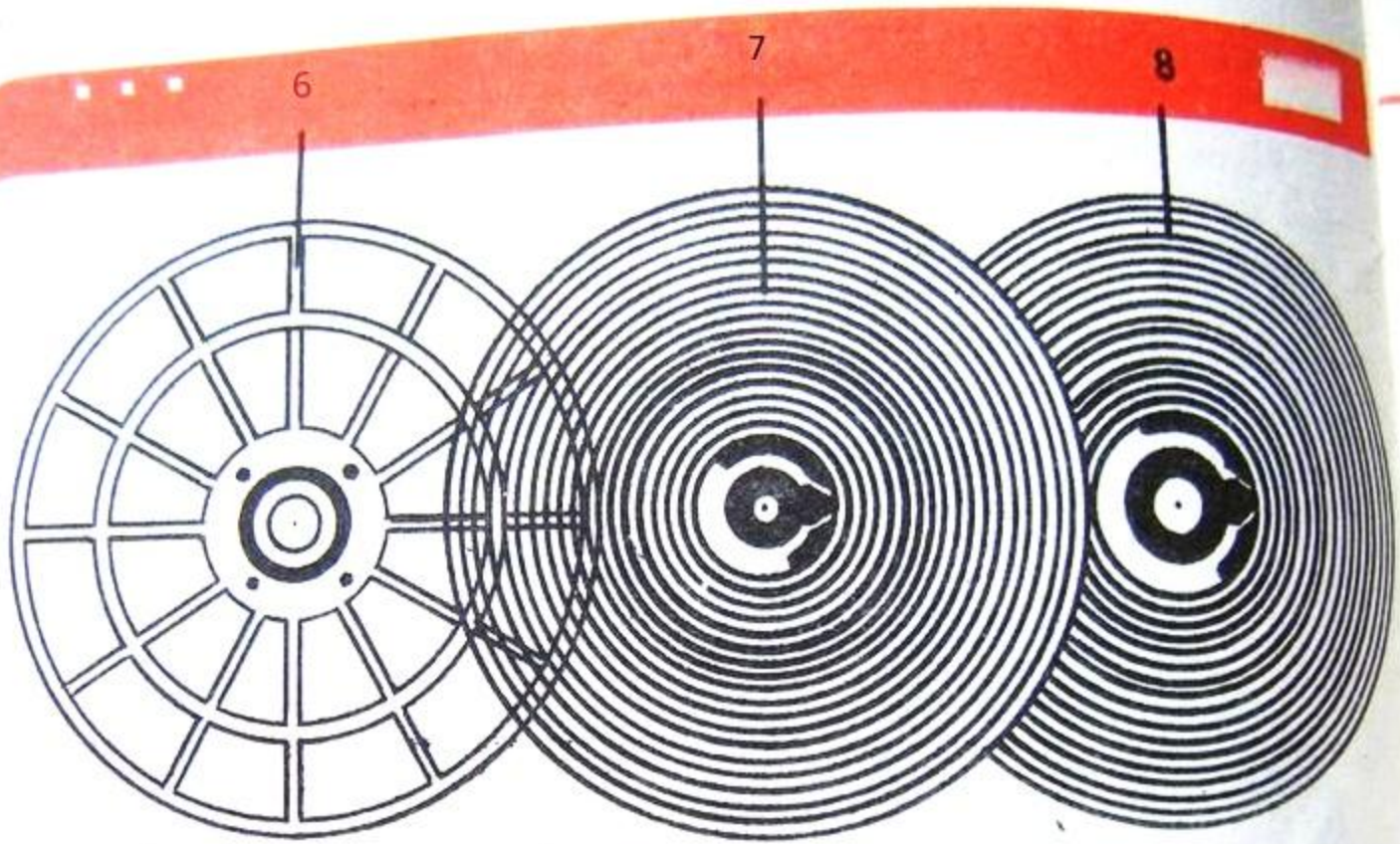
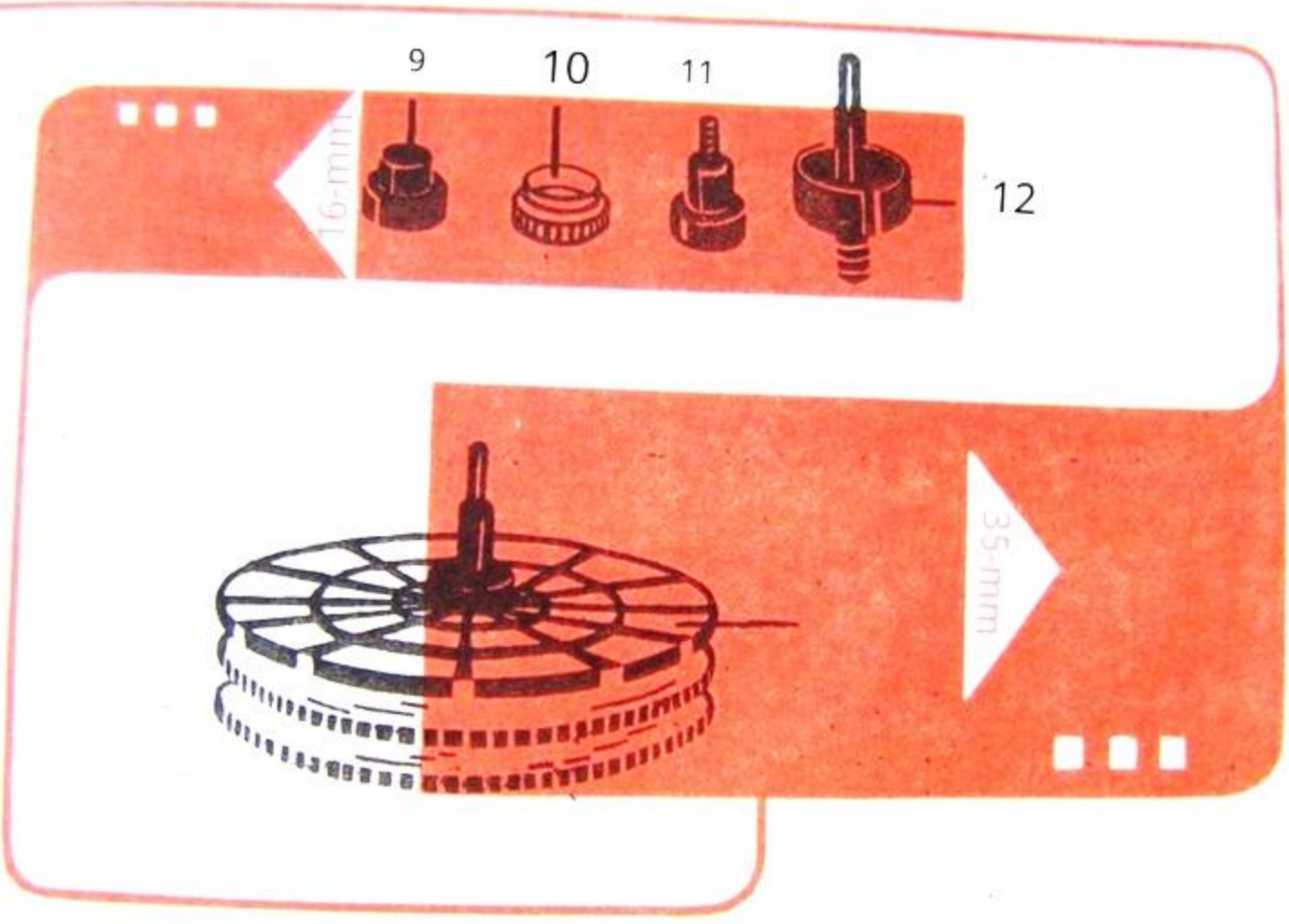
DEVELOPING TANK STRUCTURE

The tank consists of a body 1 with a lower nozzle 2 and a rubber hose 3 (for draining the solution and supplying water), a lid 4, a reel 5, consisting of one smooth ring 6 and two snails - the lower snail 7 and the upper snail 8, a sleeve 9, a threaded ring 10, a screw 11 and a handle 12. From parts 6-12, you can assemble both a single-level and a two-level reel.





threaded protrusion of the smooth ring

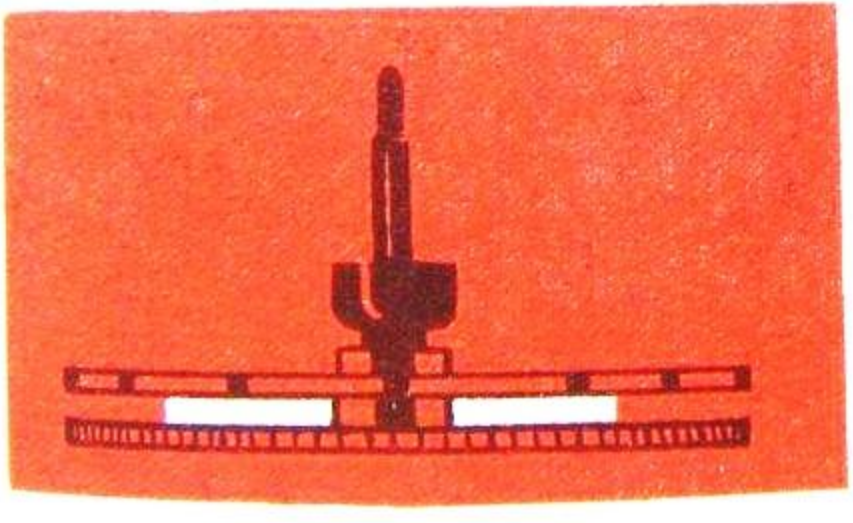

9
10
11
12
16-mm
35-mm

To fill the tank, open the lid by turning it in the direction of the arrow engraved with OPEN, unscrew the handle 12 and disassemble the reel. Wind the film into the snail in the dark. To position the film correctly in the snail, hold the film at an angle to the plane of the spiral. When winding the film, screw the additional ring 10 onto the lower snail, which should be removed after winding. To secure the film in the snail, insert the end of the film emulsion side out into the slit of the threaded snail 7 and sec

ure it.

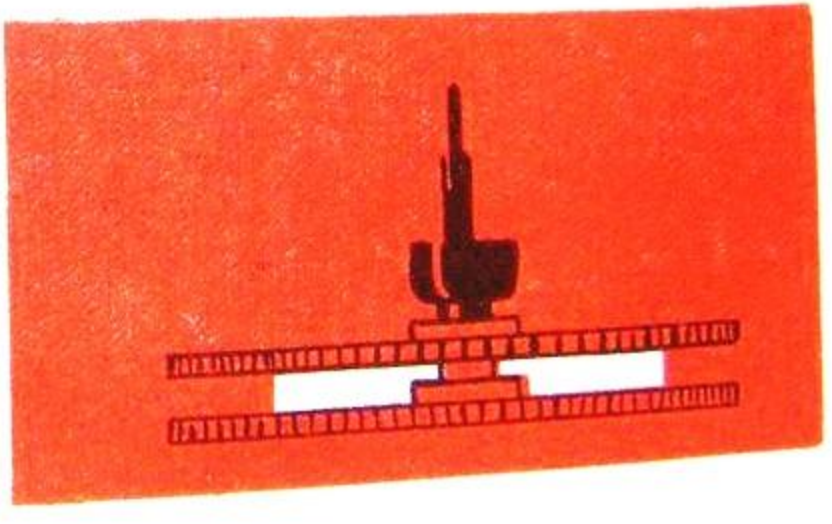
1. Loading one 8-mm film

Place the smooth ring 6, with its protrusion facing upwards, over the loaded snail 7. Insert the bushing 9 into it, secure with screw 11, and then screw in the handle 12. When loading the film, keep the perforations facing down to avoid uneven development.



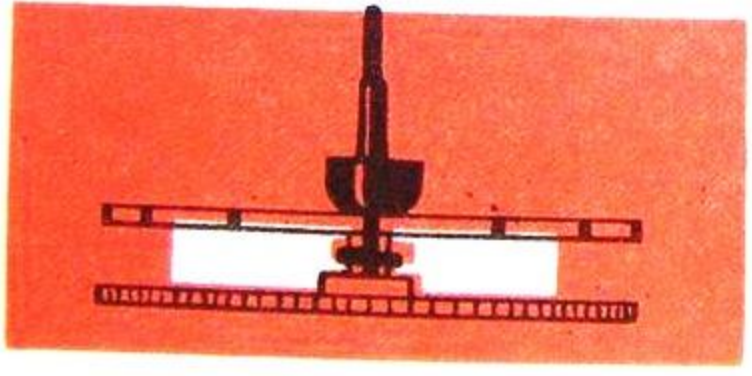
2. Loading one 16-mm film

Place the snail 8, with the threaded ring 10 screwed into it, over the loaded snail 7 and secure them with screw 11. Then screw the handle 12 into the screw.



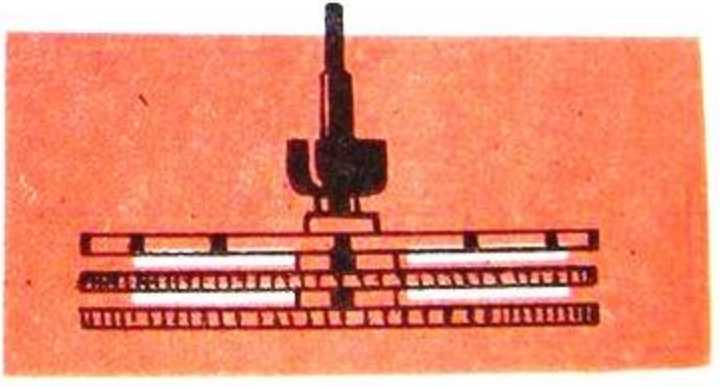
3. Loading one 35mm film

Place bushing 9 narrow end down on the snail 7 with the threaded film and secure it with screw 11. Slide the smooth ring 6 onto the head of the screw with the protrusion facing down, then screw in handle 12.



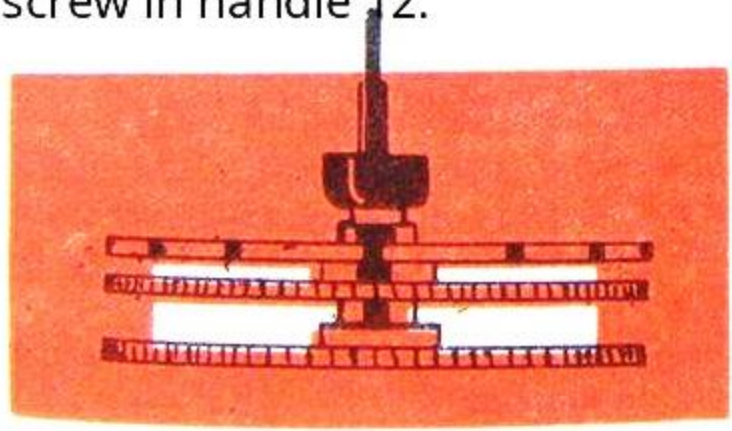
4. Loading two 8mm films

Place snail 8 (without threaded ring 10) on top of snail 7 with the threaded film and fasten them with screw 11, then wind the film. Insert the end of the second film into snail 8, slide ring 6 onto the head of screw 11 with the protrusion facing up along with the threaded ring 10 screwed onto it, then screw in handle 12.



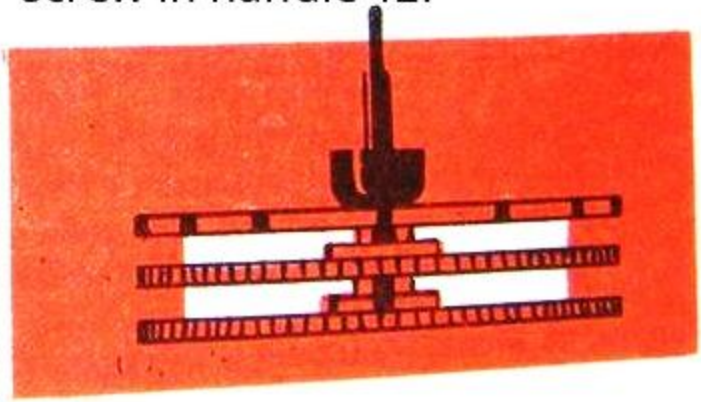
5. Loading one 8-mm and one 16-mm film

Place snail 8 with the threaded ring facing down on top of snail 7 loaded with 16-mm film and fasten them together with screw 11, then wind the film. Insert the end of the second 8-mm film into snail 8, fit ring 6 onto the head of screw 11 with the protrusion facing up, then screw in handle 12.



6. Loading two 16-mm films

Place snail 8 with the threaded ring facing down on top of snail 7 loaded with film and fasten them together with screw 11, then wind the film. Insert the end of the second film into snail 8, fit ring 6 onto the head of screw 11 with the protrusion facing down, then screw in handle 12.



In all cases, place the reel with the wound film into the tank and cover it with the lid, which should be turned until it stops. Perform all further film processing operations in the light in accordance with the instructions for processing various films.

Pour the solutions into the tank through the funnel-shaped opening in the center of the lid (first insert the hose into the eyelet). To ensure even development of the film, periodically rotate the reel handle clockwise. Drain the solutions through the nozzle 2. When rinsing the film with running water, attach the rubber hose 3 from the nozzle to the water faucet; at the same time, the reel rotates under the pressure of the water jets; drain the water through the funnel-shaped opening in the tank lid. Notes: 1. For cine enthusiasts unfamiliar with the tank, to acquire the necessary skill, they should load the tank with used film 3-4 times in the light and, only after making sure that the loading is done correctly, proceed to process the exposed film. 2. Traces of solder on the protruding diameter of the snail, which may be mistaken for cracks, do not affect the operational qualities of the tank.

6. MAINTENANCE

The tank parts are made of plastic, so when handling them, especially the spool, care must be taken.

Small cracks on the spool flanges should be glued with dichloroethane or benzene. After use, the tank must be disassembled and all parts rinsed with warm soapy water. Clean the spiral flanges of the spool with a toothbrush. Then leave the tank parts to dry (away from heaters).

7. CERTIFICATE OF ACCEPTANCE

The UPB-1A universal developing tank meets the requirements of technical specifications TU 3-3.968-74 and is recognized as fit for operation.

Date of manufacture _____ 19

Quality Control Representative _____

SEAL

WARRANTY OBLIGATIONS

The warranty period for the universal developing tank UPB-1A is three years from the date of purchase by the consumer. The consumer has the right to exchange a defective tank in cases provided for by the rules for exchanging industrial goods purchased in the retail trade network, approved by the Ministry of Trade of the USSR.

Price -

LOMO

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